

Reg - Tom Delaval

Access DB# (31231)

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Sakisha Daze Examiner #: 74141 Date: 8/29/04
Phone: 1616 Phone Number 30 206-22 Serial Number: 10/0368719
Office and Bldg/Room Location: 4670 Rain 4A45 Results Format Preferred (circle): PAPER DISK E-MAIL

Note: When one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. List the selected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or concepts of the invention. Define any terms that may have a special meaning. Give examples of relevant citations, authors, etc, if applicable. Please attach a copy of the cover sheet, pertinent claims, and abstract.

1.1.1. Invention: Use of Biologically active ret D
Inventor (please provide full names): HAYES, COLLEEN E. et al.

Priority Filing Date: 10 Continuation of 07/469,985
12/21/1995

1.1.2. Previous Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the search results and notes.

A method of treating inflammatory bowel disease by 1- α hydroxyvitamin D₂
Inflammatory bowel disease is selected from Ulcerative colitis & Crohn's disease.

Thank you

1.1.2. Previous Searches		Type of Search	Vendors and cost where applicable
9/16	9/16	NA Sequence (#)	STN <input checked="" type="checkbox"/>
7/15	7/15	AA Sequence (#)	Dialog
		Structure (#)	Questel/Orbit
		Bibliographic	Dr.Link
		Litigation	Lexis/Nexis
		Fulltext	Sequence systems
		Patent Family	WWW Internet
		Other	Other (specify)

=> fil reg

FILE 'REGISTRY' ENTERED AT 14:56:00 ON 05 SEP 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 3 SEP 2004 HIGHEST RN 739335-06-9
DICTIONARY FILE UPDATES: 3 SEP 2004 HIGHEST RN 739335-06-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

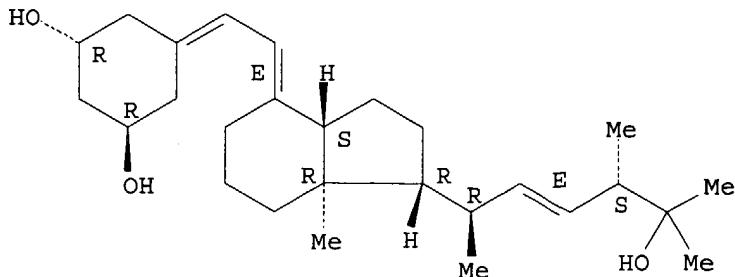
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> d ide can tot 193

L93 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN
RN 131918-61-1 REGISTRY
CN 19-Nor-9,10-secoergosta-5,7,22-triene-1,3,25-triol,
(1 α ,3 β ,7E,22E)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 19-Nor-1,25-dihydroxyvitamin D2
CN Paricalcitol
CN Zemplar
FS STEREOSEARCH
DR 539856-25-2
MF C27 H44 O3
SR CA
LC STN Files: ADISINSIGHT, ADISNEWS, BIOSIS, BIOTECHNO, CA, CANCERLIT,
CAPLUS, CIN, DDFU, DIOGENES, DRUGU, EMBASE, IMSDRUGNEWS, IMSPATENTS,
IMSRESEARCH, IPA, MEDLINE, MRCK*, PHAR, PROMT, PROUSDDR, PS, SYNTHLINE,
TOXCENTER, USAN, USPAT2, USPATFULL
(*File contains numerically searchable property data)
DT.CA CAplus document type: Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC
(Process); PRP (Properties); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological
study); USES (Uses)
RL.NP Roles from non-patents: BIOL (Biological study); OCCU (Occurrence);
PROC (Process); PRP (Properties); USES (Uses)

Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

90 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 90 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 141:134693

REFERENCE 2: 141:134637

REFERENCE 3: 141:82701

REFERENCE 4: 141:65567

REFERENCE 5: 140:412093

REFERENCE 6: 140:334734

REFERENCE 7: 140:332505

REFERENCE 8: 140:327062

REFERENCE 9: 140:281507

REFERENCE 10: 140:276190

L93 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN

RN 54573-75-0 REGISTRY

CN 9,10-Secoergosta-5,7,10(19),22-tetraene-1,3-diol,
 (1 α ,3 β ,5Z,7E,22E)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1-Hydroxyergocalciferol

CN 1-Hydroxyvitamin D2

CN 1 α -Hydroxyergocalciferol

CN 1 α -Hydroxyvitamin D2

CN Doxercalciferol

CN Hectorol

CN TSA 840

FS STEREOSEARCH

DR 125285-48-5, 87649-67-0

MF C28 H44 O2

LC STN Files: ADISINSIGHT, ADISNEWS, BEILSTEIN*, BIOSIS, BIOTECHNO, CA,
 CANCERLIT, CAPLUS, CASREACT, CBNB, CHEMCATS, CIN, DDFU, DIOGENES, DRUGU,
 EMBASE, IFICDB, IFIPAT, IFIUDB, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH,
 IPA, MEDLINE, MRCK*, PHAR, PROUSDDR, PS, RTECS*, SYNTHLINE, TOXCENTER,
 USAN, USPAT2, USPATFULL

(*File contains numerically searchable property data)

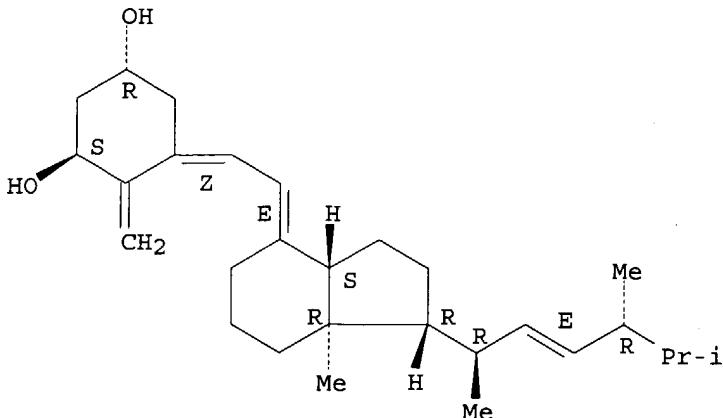
DT.CA CAplus document type: Journal; Patent

RL.P Roles from patents: BIOL (Biological study); FORM (Formation,

nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)

Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

139 REFERENCES IN FILE CA (1907 TO DATE)
139 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 141:167976

REFERENCE 2: 141:65567

REFERENCE 3: 141:64828

REFERENCE 4: 140:406808

REFERENCE 5: 140:332505

REFERENCE 6: 140:327062

REFERENCE 7: 140:281507

REFERENCE 8: 140:276190

REFERENCE 9: 140:259103

REFERENCE 10: 140:259102

=> d his

(FILE 'HOME' ENTERED AT 14:08:35 ON 05 SEP 2004)
SET COST OFF

L1 FILE 'HCAPLUS' ENTERED AT 14:08:46 ON 05 SEP 2004
92 S (1ALPHA OR 1 ALPHA OR 1 A) () (HYDROXYVITAMIN OR HYDROXY VITAMI

L2 FILE 'REGISTRY' ENTERED AT 14:09:21 ON 05 SEP 2004
1 S 54573-75-0

L3 0 S 54573-75-0/CRN

FILE 'HCAPLUS' ENTERED AT 14:09:44 ON 05 SEP 2004

L4 139 S L2
 L5 9 S (1ALPHA OR 1 ALPHA OR 1 A) () (HYDROXYERGOCALCIFEROL OR HYDROXY
 L6 26 S DOXERCALCIFEROL OR DOXER CALCIFEROL OR HECTOROL OR TSA840 OR
 L7 0 S 9 10 SECOERGOSTA 5 7 10 19 22 TETRAENE 1 3 DIOL
 L8 159 S L1,L4,L5,L6
 E CROHN/CT
 L9 0 S L8 AND CROHN?
 E E6+ALL
 E ULCERATIVE COLITIS/CT
 E E3+ALL
 L10 0 S L8 AND E2
 L11 1 S L8 AND ?ULCER?
 L12 0 S L8 AND ?COLIT?
 L13 1 S L8 AND ?COLIC?
 L14 32 S L8 AND ?INTESTIN?
 L15 1 S L14 AND L11,L13
 L16 8 S L8 AND ?COLON? AND L14
 L17 0 S L8 AND IBD
 L18 0 S L8 AND ?INFLAM? (L) BOWEL?
 E INFLAMMATORY BOWEL/CT
 E E4+ALL
 L19 0 S L8 AND E2
 L20 2 S (US20020128241 OR US63548939) /PN OR WO2000-US34913/AP, PRN
 E HAYES C/AU
 L21 85 S E3,E77-E79
 E NASHOLD F/AU
 L22 17 S E3-E6
 L23 0 S L20 AND L8
 L24 1 S L21,L22 AND L8
 SEL RN L20

FILE 'REGISTRY' ENTERED AT 14:17:34 ON 05 SEP 2004

L25 22 S E1-E22
 L26 1 S L25 AND C28H44O3
 E C28H44O2/MF
 L27 41 S E3 AND C6/ES AND C5-C6/ES AND 3/NR
 L28 12 S L27 AND 5 7 10 19 22 TETRAENE AND 1 3 DIOL
 L29 8 S L28 NOT D/ELS
 L30 7 S L29 NOT L2
 L31 6 S L30 NOT T/ELS
 SEL RN
 L32 0 S E1-E6/CRN

FILE 'HCAPLUS' ENTERED AT 14:20:59 ON 05 SEP 2004

L33 24 S L31
 L34 0 S L33 AND (IBD OR ?INFLAM? (L) BOWEL? OR ?CROHN? OR ?ULCER? (L) (CO
 L35 167 S L8,L33
 E INTESTINE, DISEASE/CT
 L36 6 S E2-E54 AND L35
 E E3+ALL
 L37 7 S L35 AND E11,E12,E10+NT
 E E84+ALL
 L38 17 S L35 AND E5,E6,E4+NT
 L39 17 S L35 AND (E12+OLD,NT,PFT,RT OR E13+OLD,NT,PFT,RT OR E14+OLD,NT
 E E3+ALL
 L40 29 S L35 AND (E3+OLD,NT,PFT,RT OR E86+OLD,NT,PFT,RT OR E87+OLD,NT,
 L41 29 S L36-L40
 L42 18 S L41 AND (PY<=1999 OR PRY<=1999 OR AY<=1999)
 L43 12 S L42 NOT ?NEOPLAS?
 L44 6 S L43 NOT (HEPATOMA/TI OR OSTEOFITOSIS/CW OR RICKETS/CW)

L45 4 S L44 NOT (LIGAND OR SUPPLEMENT)/TI
 L46 6 S L42 NOT L43
 L47 5 S L46 AND COLON NOT 3/SC
 L48 10 S L24, L45, L47

FILE 'MEDLINE' ENTERED AT 14:30:25 ON 05 SEP 2004
 L49 62 S L8 OR L31
 E CROHN/CT
 E E5+ALL
 L50 0 S L49 AND E9+NT
 E E9+ALL
 L51 0 S L49 AND (IBD OR ?INFLAM? (L) BOWEL? OR ?CROHN? OR ?ULCER? (L) COL

FILE 'EMBASE' ENTERED AT 14:31:26 ON 05 SEP 2004
 L52 151 S L8 OR L31
 E ERGOCALCIFEROL/CT
 E E3+ALL
 L53 5089 S E1
 L54 5301 S E1/BI
 E ERGOCALCIFEROL/CT
 E E10+ALL
 L55 115 S E9
 L56 5432 S L52-L55
 L57 16 S L56 AND ?CROHN?
 L58 12 S L56 AND (IBD OR ?INFLAM? (L) BOWEL? OR ?ULCER? (L) COLIT?)
 E CROHN/CT
 E E5+ALL
 L59 14 S L56 AND E1+NT
 E IBD/CT
 E INFLAMMATORY BOWEL/CT
 E E4+ALL
 L60 24 S L56 AND E2+NT
 E ULCERATIVE COLITIS/CT
 E E3+ALL
 L61 6 S L56 AND E1+NT
 L62 27 S L57-L61
 L63 23 S L62 AND PY<=1999

FILE 'REGISTRY' ENTERED AT 14:38:36 ON 05 SEP 2004
 L64 3 S 50-14-6 OR 50809-47-7 OR 8042-78-2

FILE 'EMBASE' ENTERED AT 14:39:14 ON 05 SEP 2004
 L65 0 S L52 AND L62

FILE 'MEDLINE' ENTERED AT 14:39:21 ON 05 SEP 2004

FILE 'WPIX' ENTERED AT 14:39:42 ON 05 SEP 2004
 L66 45 S L1/BIX OR L5/BIX OR L6/BIX
 L67 5 S (19 NOR 1 25 () (DIHYDROXYVITAMIN OR DIHYDROXY VITAMIN OR DI H
 E 19 NOR 1 25 DIHYDROXYVITAMIN D2/CN
 E 19-NOR-1,25-DIHYDROXYVITAMIN D2/CN
 L68 1 S E3
 E RA3C75/DCN
 L69 4 S E3-E7
 E DOXERCALCIFEROL/CN
 L70 1 S E3
 E RA7AA1/DCN
 L71 7 S E3-E8
 L72 53 S L66, L67, L69, L71
 L73 0 S L72 AND ?CROHN?/BIX
 L74 0 S L72 AND (IBD OR ?INFLAM? (L) BOWEL? OR ?ULCER? (L) (COLON OR COLI
 L75 7 S L72 AND ?INTESTIN?/BIX
 L76 1 S L72 AND (B14-E10C OR C14-E10C)/MC

L77 1 S L72 AND (B14-E10? OR C14-E10?)/MC
 L78 0 S L71 AND A61P001/IPC
 L79 1 S L71 AND P73?/M0,M1,M2,M3,M4,M5,M6
 L80 1 S L72 AND (B12-J01 OR C12-J01)/MC
 L81 8 S L75-L80

FILE 'BIOSIS' ENTERED AT 14:52:19 ON 05 SEP 2004
 L82 56 S L8 OR L31

FILE 'HCAPLUS' ENTERED AT 14:52:54 ON 05 SEP 2004
 L83 13 S 19 NOR 1 25 () (DIHYDROXYVITAMIN OR DIHYDROXY VITAMIN OR DI HY

FILE 'REGISTRY' ENTERED AT 14:53:32 ON 05 SEP 2004
 L84 1 S 131918-61-1
 L85 0 S 131918-61-1/CRN

FILE 'HCAPLUS' ENTERED AT 14:53:53 ON 05 SEP 2004
 L86 90 S L84
 L87 62 S PARICALCITOL OR ZEMPLAR
 L88 98 S L83,L86,L87
 L89 2 S L88 AND ?CROHN?
 L90 2 S L88 AND (IBD OR ?INFLAM? (L) BOWEL? OR ?ULCER? (L) COLIT?)
 L91 2 S L89,L90
 L92 2 S L91 AND L4-L24,L33-L48,L64,L83,L86-L91

FILE 'REGISTRY' ENTERED AT 14:55:50 ON 05 SEP 2004
 L93 2 S L84 OR L2

FILE 'REGISTRY' ENTERED AT 14:56:00 ON 05 SEP 2004

=> fil hcaplus
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FILE COVERS 1907 - 5 Sep 2004 VOL 141 ISS 11
 FILE LAST UPDATED: 3 Sep 2004 (20040903/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d 192 all hitstr tot

L92 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN
 AN 2003:455025 HCAPLUS
 DN 139:30856
 ED Entered STN: .13 Jun 2003
 TI Treating vitamin D responsive diseases
 IN Hayes, Colleen E.; Nashold, Faye E.
 PA Northern Lights Pharmaceuticals, LLC, USA

SO U.S. Pat. Appl. Publ., 27 pp., Cont.-in-part of U.S. Ser. No. 469,985.
 CODEN: USXXCO

DT Patent

LA English

IC ICM A61K038-20

ICS A61K031-59

NCL 514167000; 424085200

CC 1-12 (Pharmacology)

Section cross-reference(s): 2, 15, 18, 63

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003109506	A1	20030612	US 2002-170746	20020613 <--
	US 6358939	B1	20020319	US 1999-469985	19991221
	WO 2001046132	A1	20010628	WO 2000-US34913	20001221 <--
		W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
		RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	WO 2003106629	A2	20031224	WO 2003-US18558	20030611
		W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
		RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
PRAI	US 1999-469985	A2	19991221		
	WO 2000-US34913	A	20001221 <--		
	US 2002-170746	A	20020613		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
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US 2003109506	ICM	A61K038-20
	ICS	A61K031-59
US 2003109506	NCL	514167000; 424085200

AB	The invention relates to therapeutics for the prevention and treatment of vitamin D responsive diseases in humans, as well as other animals, through the use of biol. active vitamin D compds. in combination with at least one other immunomodulatory compound such as interleukin-10, interleukin-4, or a TNF- α inhibitor.	<--
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ST	vitamin D IL10 immunomodulator antiinflammatory human inflammatory bowel disease; calcitriol cytokine hypercalcemic osteoporosis renal osteodystrophy psoriasis IBD immunomodulator; transdermal patch calcitriol drug screening multiple sclerosis arthritis human; TNFa inhibitor antiinflammatory calcitriol interleukin human inflammatory bowel disease	
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IT	Intestine, disease (Crohn's ; treating vitamin D responsive diseases)	
----	--	--

IT	Intestine, disease (inflammatory ; treating vitamin D responsive diseases)	
----	---	--

IT	Bone, disease	
----	---------------	--

(renal osteodystrophy; treating vitamin D responsive diseases)

IT Drug delivery systems
 (transdermal, controlled-release; treating vitamin D responsive diseases)

IT Anti-inflammatory agents
 Arthritis
 Blood serum
 Disease, animal
 Drug interactions
 Drug screening
 Feces
 Human
 Immunomodulators
 Multiple sclerosis
 Osteoporosis
 Psoriasis
 (treating vitamin D responsive diseases)

IT Hemoglobins
 Tumor necrosis factors
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (treating vitamin D responsive diseases)

IT Cytokines
 Interleukin 10
 RL: BSU (Biological study, unclassified); PAC (Pharmacological activity);
 THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (treating vitamin D responsive diseases)

IT Interleukin 4
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
 (Biological study); USES (Uses)
 (treating vitamin D responsive diseases)

IT Intestine, disease
 (*ulcerative colitis*; treating vitamin D responsive diseases)

IT 7440-70-2, Calcium, biological studies
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (hypercalcemia; treating vitamin D responsive diseases)

IT 50-24-8, Prednisolone 1406-16-2, Vitamin D 32222-06-3,
 1,25-Dihydroxyvitamin D3 41294-56-8, 1 α -Hydroxyvitamin D3
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
 (Biological study); USES (Uses)
 (treating vitamin D responsive diseases)

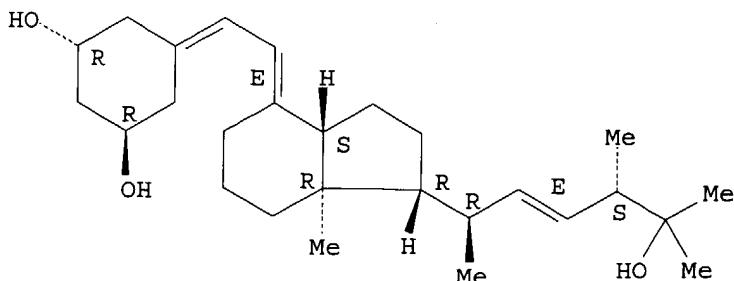
IT 103656-37-7 131875-08-6, KH1060 **131918-61-1** 195051-26-4
 215714-87-7 233268-76-3, LG 190090 233268-77-4, LG190119
 233268-78-5, LG190155 233268-79-6, LG 190176 233268-81-0, LG 190178
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (treating vitamin D responsive diseases)

IT **131918-61-1**
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (treating vitamin D responsive diseases)

RN 131918-61-1 HCPLUS

CN 19-Nor-9,10-secoergosta-5,7,22-triene-1,3,25-triol,
 (1 α ,3 β ,7E,22E)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.



L92 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN
 AN 2001:435039 HCAPLUS
 DN 135:41381
 ED Entered STN: 15 Jun 2001
 TI Treatment of **inflammatory bowel** disease with vitamin D compounds
 IN Cantorna, Margherita T.
 PA The Penn State Research Foundation, USA
 SO PCT Int. Appl., 33 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM C07C401-00
 CC 2-10 (Mammalian Hormones)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001042205	A2	20010614	WO 2000-US42393	20001130
	WO 2001042205	A3	20020321		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1233942	A2	20020828	EP 2000-992552	20001130
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	JP 2003516386	T2	20030513	JP 2001-543506	20001130
PRAI	US 1999-168501P	P	19991202		
	US 2000-197827P	P	20000414		
	US 2000-208632P	P	20000601		
	US 2000-231906P	P	20000911		
	WO 2000-US42393	W	20001130		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2001042205	ICM	C07C401-00

OS MARPAT 135:41381

AB A method of treating **inflammatory bowel** disease, particularly **ulcerative colitis** and **Crohn's** disease, is disclosed. The method involves administering a vitamin D compound in an amount effective to treat the disease. The administration of a vitamin D compound also prevents the development of or delays the onset of **inflammatory bowel** disease in susceptible individuals.
 ST **inflammatory bowel disease ulcerative**

colitis Crohn's vitamin D treatment
 IT Intestine, disease
 (Crohn's; treatment of **inflammatory bowel**
 disease with vitamin D compds.)
 IT Intestine, disease
 (**inflammatory**; treatment of **inflammatory**
 bowel disease with vitamin D compds.)
 IT Diet
 (low calcium; treatment of **inflammatory bowel**
 disease with vitamin D compds.)
 IT Intestine, disease
 (**ulcerative colitis**; treatment of
 inflammatory bowel disease with vitamin D compds.)
 IT 1406-16-2, vitamin D
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
 (Uses)
 (deficiency; treatment of **inflammatory bowel**
 disease with vitamin D compds.)
 IT 32222-06-3D, analogs 41294-56-8, 1 α -Hydroxyvitamin D3
 60133-18-8, 1,25-Dihydroxyvitamin D2 75363-22-3 108646-38-4,
 1 α ,25-Dihydroxyvitamin D3 triacetate **131918-61-1**
 133876-00-3, 1 α -Hydroxyvitamin D 156196-99-5 195051-26-4
 217093-03-3
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
 (Uses)
 (treatment of **inflammatory bowel** disease with
 vitamin D compds.)
 IT 7440-70-2, Calcium, biological studies
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL
 (Biological study); PROC (Process)
 (treatment of **inflammatory bowel** disease with
 vitamin D compds.)
 IT **131918-61-1**
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
 (Uses)
 (treatment of **inflammatory bowel** disease with
 vitamin D compds.)
 RN 131918-61-1 HCAPLUS
 CN 19-Nor-9,10-secoergosta-5,7,22-triene-1,3,25-triol,
 (1 α ,3 β ,7E,22E) - (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.

